

Stream Quality Assessment Form

Lake County Soil and Water Conservation District

River Mile 22.4 Stream Grand River Sample # 1
 Location Hidden Valley Metropark
 County LAKE Township/City Madison Twp. Date 9/24/07 Time 10:00AM
 Monitoring Group _____
 Or Individual Painesville Harvey High - AP No. of Participants 4

Riffle Structure

Width of Riffle _____
 Water Depth _____
 Water Temp ____°C or ____°F

Chemical Analysis

Dissolved O₂ _____
 Acidity (pH) _____
 Salinity (Cl) _____
 Ammonia _____

Coliform sample taken?

Yes ☐ No ☐ # _____

Results _____

Chlorine 0.1 mg/L

Bed Composition of Riffle (must add up to 100%)

SILT ☐ SAND ☐ GRAVEL ☐ COBBLES ☐ BOULDERS ☐
 (1/4"-2") (2"-10") (>10")

Descriptions of Water Conditions:

Clear water, No odor

Special Notes:

MACROINVERTEBRATE TALLY

Estimated Count

A= 1 to 9

B= 10 to 99

C= 100 or more

GROUP 1 TAXA	LTR. Code	GROUP 2 TAXA	LTR. Code	GROUP 3 TAXA	LTR. Code
Water Penny Larvae	<u>B</u>	Damselfly Nymphs	<u>—</u>	Blackfly Larvae	<u>A</u>
Mayfly Nymphs	<u>B</u>	Dragonfly Nymphs	<u>—</u>	Aquatic Worms	<u>—</u>
Stonefly Nymphs	<u>B</u>	Cranefly Larvae	<u>A</u>	Midge Larvae	<u>B</u>
Dobsonfly Larvae	<u>B</u>	Beetle Larvae	<u>B</u>	Pouch Snails	<u>—</u>
Caddisfly Larvae	<u>B</u>	Crayfish	<u>—</u>	Leeches	<u>A</u>
Riffle Beetle Adult	<u>A</u>	Scuds	<u>—</u>		
Gill Snails — (open right)	<u>—</u>	Clams	<u>A</u>		
		Sow Bugs	<u>—</u>		
NUMBER OF TAXA	<u>6</u>	NUMBER OF TAXA	<u>3</u>	NUMBER OF TAXA	<u>3</u>
(TIMES) INDEX VALUE	<u>18</u>	(TIMES) INDEX VALUE	<u>6</u>	(TIMES) INDEX VALUE	<u>3</u>
3		2		1	

Cumulative
Index
Value

27

Stream Quality Assessment

Excellent (> 22)

Fair (11-16)

Good (17-22)

Poor (<11)

Please Send this form to:

Lake County Soil and Water
 Conservation District
 125 East Erie St.
 Painesville OH 44077

Stream Quality Assessment Form

Lake County Soil and Water Conservation District

River Mile 22.4 Stream GRAND RIVER Sample # _____
 Location HIDDEN VALLEY
 County LAKE Township/City MADISON TWP Date 9/24/07 Time 10:20
 Monitoring Group _____
 Or Individual HAROLD HIGH SCHOOL No. of Participants 4

Riffle Structure

Width of Riffle 60
 Water Depth 4"
 Water Temp _____ °C or 63 °F

Chemical Analysis

Dissolved O₂ _____
 Acidity (pH) _____
 Salinity (Cl) _____
 Ammonia 21 PPM

Coliform sample taken?

Yes ☐ No ☐ # _____

Results _____

Bed Composition of Riffle (must add up to 100%)

SILT ☐ SAND ☐ GRAVEL ☐ COBBLES ☐ BOULDERS ☐
 (1/4"-2") (2"-10") (>10")

Descriptions of Water Conditions:

CLAR - NO SEDIMENT
COLORLESS
NO ODOR

Special Notes:

DECONT. CTS PROXIMOUS
LANTHUS PARVUTON

MACROINVERTEBRATE TALLY

Estimated Count

A= 1 to 9

B= 10 to 99

C= 100 or more

GROUP 1 TAXA	LTR. Code	GROUP 2 TAXA	LTR. Code	GROUP 3 TAXA	LTR. Code
Water Penny Larvae	<u>B</u>	Damselfly Nymphs	<u>A</u>	Blackfly Larvae	<u>-</u>
Mayfly Nymphs	<u>A</u>	Dragonfly Nymphs	<u>A</u>	Aquatic Worms	<u>-</u>
Stonefly Nymphs	<u>A</u>	Cranefly Larvae	<u>A</u>	Midge Larvae	<u>-</u>
Dobsonfly Larvae	<u>A</u>	Beetle Larvae	<u>A</u>	Pouch Snails	<u>-</u>
Caddisfly Larvae	<u>A</u>	Crayfish	<u>A</u>	Leeches	<u>-</u>
Riffle Beetle Adult	<u>A</u>	Scuds	<u>-</u>		
Gill Snails - (open right)	<u>A</u>	Clams	<u>A</u>		
		Sow Bugs	<u>-</u>		
NUMBER OF TAXA	<u>7</u>	NUMBER OF TAXA	<u>6</u>	NUMBER OF TAXA	<u>-</u>
(TIMES) INDEX VALUE	<u>21</u>	(TIMES) INDEX VALUE	<u>12</u>	(TIMES) INDEX VALUE	<u>-</u>
3		2		VALUE 1	

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Stream Quality Assessment Form

Lake County Soil and Water Conservation District

River Mile 22.4 Stream Grand River Sample # /
 Location Hidden Valley
 County Lake Township/City Madison Township Date 9/24/07 Time 10:00
 Monitoring Group _____
 Or Individual Harvey High School No. of Participants 4

Riffle Structure

Width of Riffle _____
 Water Depth _____
 Water Temp ____°C or ____°F

Chemical Analysis

Dissolved O₂ _____
 Acidity (pH) 8
 Salinity (Cl) _____
 Ammonia _____

Coliform sample taken?

Yes ☐ No ☐ # _____

Results _____

Bed Composition of Riffle (must add up to 100%)

SILT ☐ SAND ☐ GRAVEL ☐ COBBLES ☐ BOULDERS ☐
 (1/4"-2") (2"-10") (>10")

Descriptions of Water Conditions:

Special Notes:

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Mayfly Nymphs	<u>A</u>	Dragonfly Nymphs	<u>A</u>	Aquatic Worms	<u>A</u>
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Dobsonfly Larvae	<u>B</u>	Beetle Larvae	<u>A</u>	Pouch Snails	<u>-</u>
Caddisfly Larvae	<u>C</u>	Crayfish	<u>-</u>	Leeches	<u>-</u>
Riffle Beetle Adult	<u>A</u>	Scuds	<u>-</u>		
Gill Snails -- (open right)	<u>-</u>	Clams	<u>-</u>		
		Sow Bugs	<u>-</u>		
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(TIMES) INDEX VALUE	<u>18</u>	(TIMES) INDEX VALUE	<u>6</u>	(TIMES) INDEX VALUE	<u>2</u>
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